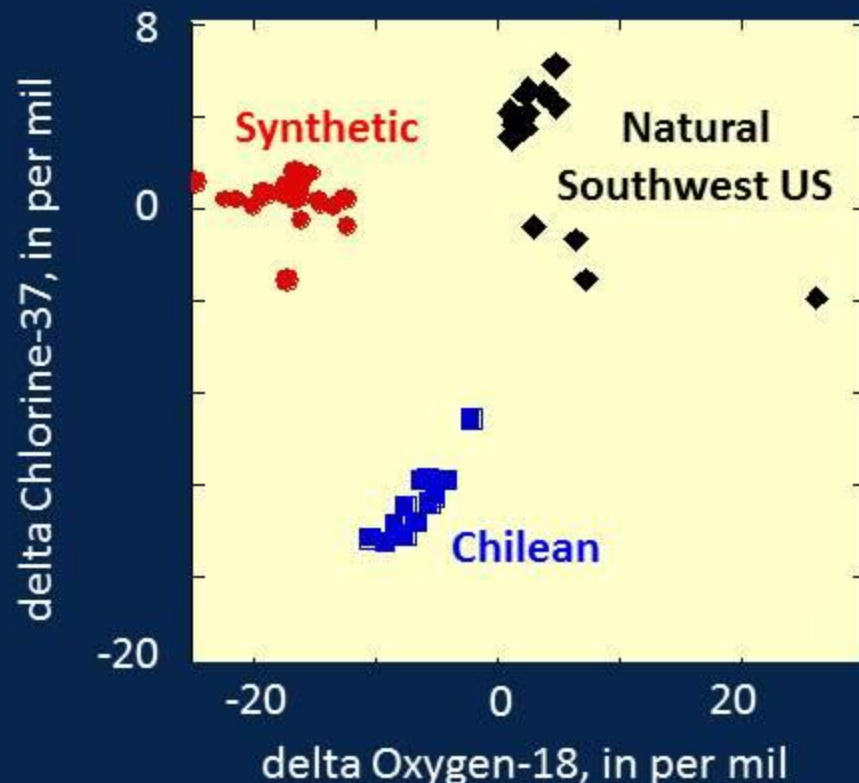


On-going DOD funded perchlorate studies in the Rialto area

Isotope study

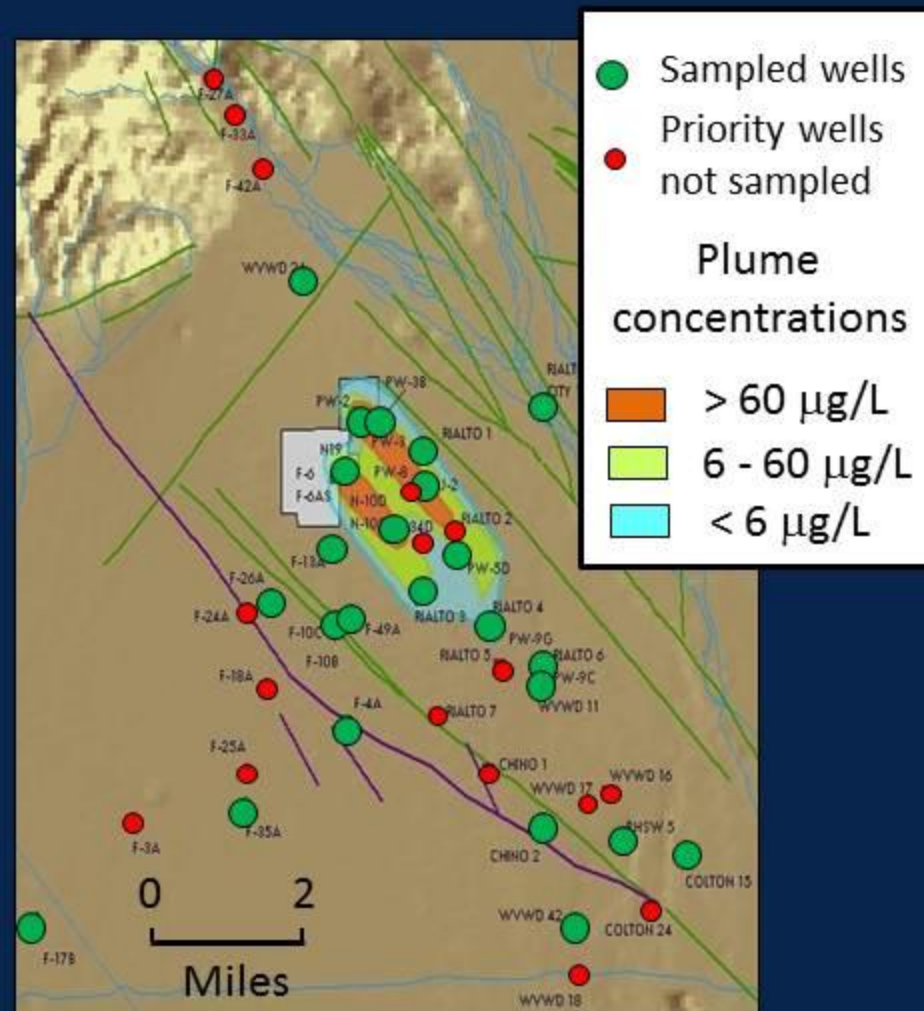
- Isotope study—use isotopic variations in chlorine and oxygen atoms in perchlorate to evaluate source of perchlorate
- Principal investigators—Neil Sturchio, Paul Hatzinger, JK Bohlke, and John Izbicki

(Data not from Rialto area:
for illustrative purposes only.
Paul Hatzinger, written commun., 2011)



Isotope study status

- 26 wells sampled (6/20/2010 to 9/20/2011)
- 96 resin columns plus 2 water samples
- 32 separate locations/depth
- 6 depth-dependent wells
- Preliminary data to be presented to Technical Advisory Committee (TAC) July 19, 2012



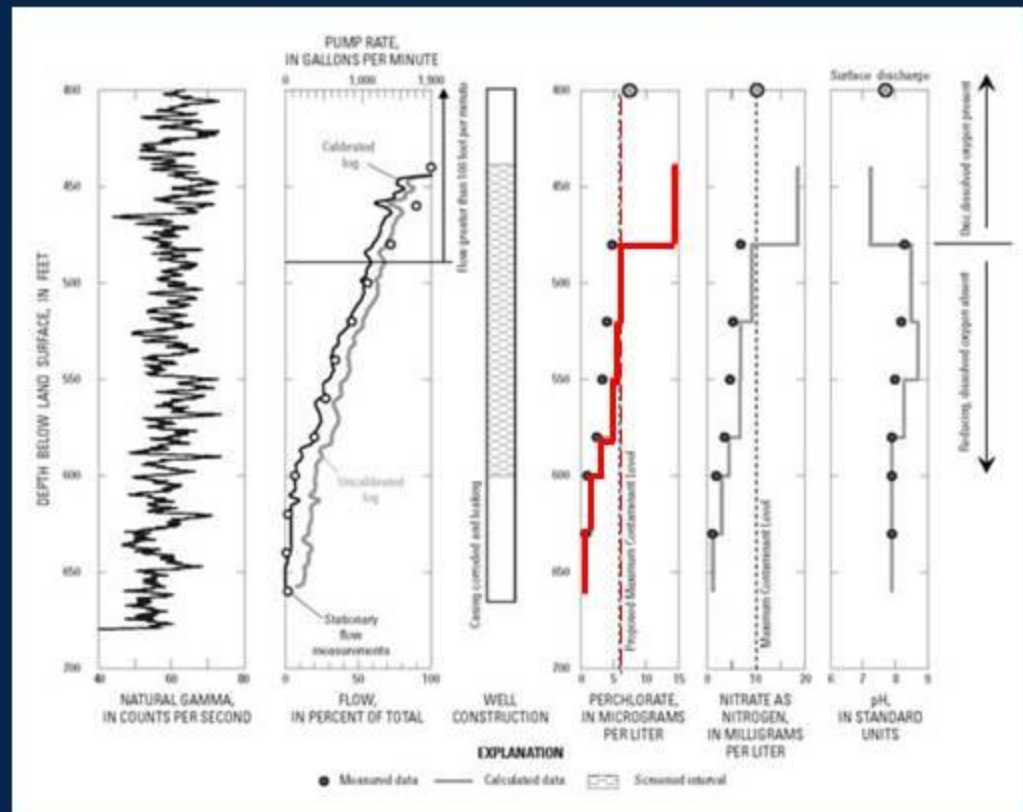
Sampled wells Rialto-Colton and adjacent basins

Hydrologic study

- Hydrologic study—use water-level, water chemistry, and coupled well-bore flow and depth-dependent water-quality data to evaluate source, movement, and age of water in the Rialto and adjacent groundwater basins

- Principal investigators—John Izbicki, Nick Teague

(From Izbicki, et al., 2002)



Hydrologic study status

- Compiled 51,800 water level measurements from 324 wells
- 26 wells sampled for chemistry, stable isotopes of water, age-dating parameters, and dissolved gasses
- 7 depth-dependent sample sets
- Preliminary data presented to Technical Advisory Committee (TAC), October 26, 2011

Depth-dependent samples
Rialto-Colton and adjacent basins

